

## EPA's Bay Delta Action Plan 2012 (last update 12/14/12)

	EPA Lead <sup>1</sup>	EPA support	Target Date	Status	Next milestone
<b>1. Estuarine Habitat Water Quality Standards</b>					
Support State Board in modifying and implementing estuarine habitat standards in the Bay Delta WQCP to more fully protect aquatic species.	Erin & Bruce	Tom & Valentina	June 2014	Ltrs sent during & after workshops	Review Workshop report & input to issue reconciliation process
<b>2. Regional Water Quality Monitoring &amp; Assessment Program</b>					
a. Work with CV Board to establish Delta RMP. (+ help ensure coordination with revived Sac River Watershed RMP).	Valentina	Erin	2017	2 <sup>nd</sup> Steering Committee mtg 11/2012	Consensus on Mgmt Questions; Modify permits
b. Lead effort to establish SJR RMP.	Valentina	Sam		Web portal under development by CURES	CURES to complete web portal by 10/31
c. Participate in IEP (at Director, Coordinator and Management Team levels). Ensure coordination with developing RMPs.	Bruce	Valentina	Ongoing	Draft "guiding principles" for future of IEP	Directors' mtg to approve guiding principles 12/19
d. Manage "Revive the San Joaquin" Urban Waters grant (to increase public awareness of river through citizen monitoring).	Valentina		Grant ends 6/30/13	QAPP under review	After QAPP approval, 4 monitoring events for bacteria at 4 sites over next year
<b>3. TMDL Implementation</b>					

<sup>1</sup> Tim will exercise management oversight across this entire body of work in collaboration with Sam and the Division Director, so his name is not included in each individual box unless he previously served as the POC for the task.

a. Accelerate water quality restoration in the Bay Delta Estuary by strengthening & implementing TMDLs (see TMDL matrix).	Erin = lead for TMDL-specific matrix	Valentina, Luisa	SEE TMDL MATRIX	SEE TMDL MATRIX	Develop a more specific work plan to make use of available resources
b. Assess TMDL implementation progress.	Erin	Sam	2013		
c. Expand use of watershed plans and decision tools (i.e., Spatial & Temporal Pesticide Loading Model).	Erin	Sam			
d. Assist Water Boards to develop tracking & accounting tools to publically report TMDL progress.	Erin	Sam, Wilson		Napa River tool under development as model	
<b>4. Selenium Water Quality Standards</b>					
Draft new site-specific numeric criteria to protect species dependent on the Bay Delta.	Diane	Eugenia & Valentina	Dec 2012	Internal draft	
<b>5. Pesticide Pollution Prevention</b>					
a. Ensure the agency more fully considers the effects of pesticides on aquatic life under FIFRA.	Erin	Valentina, Debra & Patti	continuous	Conducted webinars with OPP and other agencies	Get WQ data to OPP when relevant
b. Support Water Board's inclusion of LID in all MS4s (new development & redevelopment). If needed, evaluate use of residual designation authority to establish Delta MS4.	WTR-5	Erin			Fresno MS4 in 2013
c. Include LID in 401 certs .	Erin	Tim, Jason			Elevate with Jason to elevate to CV Board
d. Fund SFEP's Pesticide Reduction Campaign.	Luisa				

		Sam, Erica			
<b>6. Restore Aquatic Habitats while Managing Methylmercury</b>					
a. Collaborate with USGS: (i) ORD- RARE grant to study efficacy of LICD to sequester MeHg and GHGs on subsided islands; (ii) monitoring of air deposition of MeHg and loading of aquatic ecosystems in the CV.	Tim		LICD research through 2013	LICD studies underway on Twitchell; EPA's mercury trailer deployed on Sherman	Seeking funds to buy power to keep the trailer operating
b. Fund (via 319) Cosumnes MeHg in ricelands project.	Wilson				
c. Collaborate on Yolo Bypass restoration proposals to reduce MeHg.	Tim	CERCLA			
d. Incorporate MeHg control into Dutch Slough grant with CCC.	Erika				
e. Fund CCC to study mercury cycling in South Bay.	Luisa				
f. Friends of Marsh Creek Urban Waters grant					
<b>7. Support development of the Bay Delta Conservation Plan</b>					
a. Serve a Cooperating Agency under NEPA.	Erin	Tom, Bruce, Stephanie	EPA input per DWR/DOI schedule	Comments submitted on early Admin Draft	DEIS late Spring 2013
b. Work with Corps & lead agencies on efficient 404 permitting, including JD.	Erin	Tom, Paul	EPA input per DWR/DOI schedule	Against EPA advice, Corps approved OPP statement	Comment on range of alternatives and screening criteria, when available

8. Miscellaneous recommendations in Action Plan					
a. Encourage Water Board to update 2008 Strategic Workplan (p.8).	Erin	BD TEam	2013		
b. Encourage Water Board to more fully identify impairments (p.9).	Valentina	Dave Guiliano	State Board overdue	Awaiting next draft 303d list	Comment on draft list
c. Coordinate with Delta Stewardship Council as they develop and implement Delta Plan.	Erin	BD Team	2013	Final Draft Plan and Supplemental DEIR out for comment	

## Other Recommendations in Appendix I (not already covered in Action Plan matrix<sup>2</sup>)

	EPA Lead	EPA support	Target Date	Status	Next milestone
<b>Selenium</b>					
1. National "guidance criteria".	OW-OST		2013		draft for public comment
2. Support Board 2's North SF Bay TMDL.	Diane				

<sup>2</sup> "+" reflects a task that was not included in the Action Plan/Appendix but will support its objectives. Most often, this is an opportunity that has arisen since the Action Plan was issued.

3. Participate on Grasslands Bypass Project Oversight Committee & technical workgroups, and advise Board 5 on WDR monitoring.	Eugenia & Tim	Valentina & Tom			
4. Assess how BDCP might impact selenium in Estuary.	Erin	Eugenia, Diane			
<b>Ammonia</b>					
1. Support Water Board's SCRSD permit improvement, especially interim actions.	Elizabeth Sablad	Erin		State Board upheld permit Dec 2012	Interim actions?
2. Finalize national ammonia aquatic life criteria.	OW-OST	Erin	2013		final rule
3. Encourage Board to expand NNE effort to include Delta (or establish program for addressing and controlling nutrients in the Delta).	Erin	Terry Fleming			
<b>Pesticides in ag and urban runoff</b>					
1. Target pesticide BMPs both using Spatial and Temporal Loading Model.	Debra Denton	Erin & Valentina	2013		Produce web-based interface tool for pesticide/species co-occurrence
2. Participate in NRCS' Bay Delta Initiative.	Valentina	Sam			
<b>Contaminants of emerging concern</b>					
1. Encourage CV Board to require POTWs to monitor CECs.	Elizabeth Sablad				As relevant permits are drafted
2. Support DTSC's Green Chemistry Initiative.	John Katz				
3. Use TSCA to address CECs at national level through risk evaluation of selected chemicals.	OCSPP			Ongoing. Action plans developed for 5 contaminant	

				classes	
<b>Fragmented fish migration corridors</b>					
1. Support State Board to develop San Joaquin flow objectives.	Valentina	Bruce, Tom		Awaiting State Board draft	Comment on SED expected 12/2012
2. Support State Board to develop salmon migration indicators (using UMARP).	Bruce				
3. Work with Water Boards & fish agencies to address SJ temperature impairments.	Valentina	Bruce, WTR-2			
+ Participate in SJ Tributary Settlement negotiations.	Valentina	Bruce, Tom	2013	Education phase complete; negotiations beginning	Determine level of participation
+ Support efforts by DOI, the Resource Agency, and NMFS to restore WQ, and fisheries habitat to the San Joaquin in the Settlement area and in the proposed expansion area of the SJ NWR.	Valentina, Tim	Bruce	Ongoing	Positive NEPA letter re: SJNWR expansion	Opportunistic
<b>Loss of wetlands, floodplains and riparian corridors</b>					
1. Support State Board in development of Wetlands Policy.	Jones				
2. Encourage Corps to use 404 tools to minimize floodplain encroachment in the C.V. and Delta, and crosswalk with DWR Central Valley Flood Protection Management Plan	Tim				
3. Encourage Corps to designate strategic mitigation sites.	Erin, Tim				
4. Encourage Corps to require 404 permittees to address MeHg and to contribute to Delta RMP.	Erin, Tim				
5. Encourage Corps to promote beneficial reuse (Delta LTMS).	Ross	Tim		Delta LTMS dormant due to lack	Use next ship channel deepening

				of Corps funding	project to encourage Corps
6. Collaborate on establishing carbon farms & environmental markets.	Tim				
7. Support San Joaquin historic ecology study.	Valentina				
+ Participate in interagency forums: CSC TAC, DTMC, NPS workgroup	Tim		Quarterly, staggered meetings		
+ Serve as POC from WTR for GoodSam cleanup of Corona & Twin Peaks mines	Tim				Phase 1 construction slated for Q2 FY13

## Non-Action Plan activities

	EPA Lead	EPA support	Target Date	Status	Next milestone
<b>NEPA:</b> Comment on other (non-BDCP) DEIS and selected EAs.	Stephanie	BD Team			
<b>Website:</b> Keep current; Overhaul "Activites"page; add SDWA.	Erin	Erika, BD Team	Ongoing	Developed list of desired changes; Awaiting new web architecture to make changes	Jan 13 – Erin & Erika to train on new web system and begin mods